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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/774,382	•	02/10/2004	Naoki Kato	248699US2 1126		
22850	7590	09/12/2006		EXAMINER		
C. IRVIN N	MCCLEL	LAND	CHOW, DOON Y			
OBLON, SP	IVAK, M	CCLELLAND, MA	IER & NEUSTADT, P.C.			
1940 DUKE	STREET		'ART UNIT	PAPER NUMBER		
ALEXAND	RIA VA	22314	2629			

DATE MAILED: 09/12/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applicatio	n No.	Applicant(s)				
		10/774,38	2	KATO, NAOKI				
	Office Action Summary	Examiner		Art Unit				
		Dennis-Do	on Chow	2629				
Period fo	The MAILING DATE of this communic	ation appears on the	cover sheet with	the correspondence a	ddress			
A SH WHIC - Exte after - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR CHEVER IS LONGER, FROM THE MAnsions of time may be available under the provisions of SIX (6) MONTHS from the mailing date of this community of period for reply is specified above, the maximum stature to reply within the set or extended period for reply wreply received by the Office later than three months after patents and patent term adjustment. See 37 CFR 1.704(b).	ALING DATE OF TH f 37 CFR 1.136(a). In no ever nication. utory period will apply and will ill, by statute, cause the appli	IS COMMUNICA nt, however, may a reply I expire SIX (6) MONTH cation to become ABAN	ATION. y be timely filed S from the mailing date of this of IDONED (35 U.S.C. § 133).				
Status								
· · —	Responsive to communication(s) filed This action is FINAL . 2b Since this application is in condition for closed in accordance with the practice	o)⊠ This action is no or allowance except f	on-final. for formal matters		ne merits is			
Disposition of Claims								
5)⊠ 6)⊠ 7)⊠	Claim(s) 1-14 is/are pending in the ap 4a) Of the above claim(s) is/are Claim(s) 1,2,5-7 and 9-14 is/are allow Claim(s) 4 and 8 is/are rejected. Claim(s) 3 is/are objected to. Claim(s) are subject to restriction	e withdrawn from con red.						
Applicati	ion Papers							
10)□	The specification is objected to by the The drawing(s) filed on is/are: Applicant may not request that any objecting Replacement drawing sheet(s) including the oath or declaration is objected to the specific process.	a) accepted or b) ☐ ion to the drawing(s) be he correction is require	e held in abeyance ed if the drawing(s)	e. See 37 CFR 1.85(a). is objected to. See 37 C	• •			
Priority (ınder 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
2) Notic	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTomation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date		Paper No(s)/N	nmary (PTO-413) Aail Date rmal Patent Application				

DETAILED ACTION

1. The correction of inventorship in the Detailed Action dated 8/21/06 is an error. No inventorship has been changed in this application.

Specification

2. The disclosure is objected to because of the following informalities:

The specification (see page 18, lines 25-27, and the rest of the specification) recites "... a length of the constant section **are is** Q_1 ...". Correction for "**are is**" is require.

Claim Rejections - 35 USC § 112

3. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

4. Claims 4 and 8 rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

The specification (see page 18, line 25 to page 19, line 10; page 21, lines 6-16; page 30, line 23 to page 31, line 5) and claims 4 and 8 recite "a length of the constant current section are is Q_1 , V_1 , I_1 and T_{SELI} ", and "a length of the constant current section

Application/Control Number: 10/774,382 Page 3

Art Unit: 2629

are Q_2 , V_2 , I_2 and T_{SEL2} ". However, The specification identifies Q_1 and Q_2 as electric charges (see page 50, lines 10-13), V_1 and V_2 as voltages. It appears that Q_1 , V_1 , I_1 and Q_2 , V_2 , I_2 are not a length of the constant current section.

5. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

6. Claim 8 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The parentheses (see page 80, lines 5-7) should not be used because it is not clear whether the limitations in the parentheses are parts of the claim or not.

Claim Objections

7. Claims 3, 4, and 8 are objected to because of the following informalities:

Claim 3, "-- 10°C" should be changed to " - 0°C".

Claims 4 and 8 (see page 77, lines 17-18 of claim 4; and page 79, lines 20-21 of claim 8) recite "a length of the constant section **are is** $Q_1 \dots$ ". Correction for "**are is**" is require.

Allowable Subject Matter

8. Claims 1-2, 5-7 and 9-14 are allowed.

Application/Control Number: 10/774,382 Page 4

Art Unit: 2629

9. Claims 3-4 and 8 would be allowable if rewritten or amended to overcome the objections and the rejection(s) under 35 U.S.C. 112 set forth in this Office action.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dennis-Doon Chow whose telephone number is 571-272-7767. The examiner can normally be reached on 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sumati Lefkowitz can be reached on 571-272-3638. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571/272-1000.

Dennis-Doon Chow Primary Examiner Art Unit 2629